

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A multi-part intraocular lens (IOL) comprising:
an optic;
a haptic comprising:
at least one "V"-shaped element having a pair of legs and a square or rounded corner; and
at least two contact points for the eye each located on ~~one of said~~ at least one leg or one of said corners "V"-shaped element; and
an attachment for the optic onto the haptic.
2. (Original) The multi-part intraocular lens of Claim 1, comprising two "V"-shaped elements.
3. (Original) The multi-part intraocular lens of Claim 1, wherein said "V"-shaped element is straight.
4. (Original) The multi-part intraocular lens of Claim 1, wherein said "V"-shaped element is rounded.
5. (Original) The multi-part intraocular lens of Claim 1, wherein said attachment comprises a cleat and an eyelet wherein said eyelet comprises an eyelet aperture.
6. (Original) The multi-part intraocular lens of Claim 5, wherein said cleat is a part of said haptic.
7. (Original) The multi-part intraocular lens of Claim 5, wherein said eyelet is a part of said lens.
8. (Original) The multi-part intraocular lens of Claim 5, wherein said cleat is chamfered.
9. (Original) The multi-part intraocular lens of Claim 5, wherein said eyelet is offset or angled to hook under said cleat.
10. (Original) The multi-part intraocular lens of Claim 5, wherein said eyelet is a filament.
11. (Original) The multi-part intraocular lens of Claim 5, wherein said eyelet is fabricated separately and attached to the lens.

12. (Original) The multi-part intraocular lens of Claim 5, wherein said eyelet is tinted.
13. (Original) The multi-part intraocular lens of Claim 5, wherein said cleat is fabricated separately and attached to the haptic.
14. (Original) The multi-part intraocular lens of Claim 5, wherein said cleat is tinted.
15. (Original) The multi-part intraocular lens of Claim 5, wherein said eyelet aperture has a diameter larger than the diameter of the cleat to allow for normal eye movements.
16. (Original) The multi-part intraocular lens of claim 6, wherein said haptic comprises at least two cleats.
17. (Original) The multipart intraocular lens of Claim 8, wherein said lens comprises at least two eyelets.
18. (Original) The multipart intraocular lens of Claim 17, wherein said lens comprises multiple eyelets to allow for rotation of the lens.
19. (Original) The multi-part intraocular lens of Claim 1, wherein there are two or more attachments.
20. (Original) The multi-part intraocular lens of Claim 1, wherein the two or more attachments are asymmetrical.
21. (Currently Amended) The multi-part intraocular lens of Claim 1, wherein at least one of said legs of at least one of said "V"-shaped elements is sufficiently flexible to move ~~the other one up to or over the other of said legs of said at least one of said "V"-shaped elements.~~
22. (Original) The intraocular lens of Claim 1, wherein said haptic is composed of a material selected from the group consisting of: polyimide, polyetheretherketone, polycarbonate, polymethylpentene, polyphenylsulfone, polymethylmethacrylate (PMMA), polypropylene, polyvinylidene fluoride, polysulfone, and polyethersulfone.
23. (Original) The intraocular lens of Claim 22, wherein said polyimide is KAPTON.
24. (Original) The intraocular lens of Claim 22, wherein said haptic is composed of polymethylmethacrylate (PMMA).

25. (Original) The intraocular lens of Claim 22, wherein said haptic has a modulus of elasticity of about 450,000 psi/inch.
26. (Original) The intraocular lens of Claim 1, wherein said haptic has a modulus of elasticity of 100,000 to 500,000 psi.
27. (Original) The intraocular lens of Claim 1, wherein said haptic is less than about 0.01 inches thick.
28. (Original) The intraocular lens of Claim 1, wherein said haptic is machine-formed.
29. (Original) The intraocular lens of Claim 1, wherein said haptic is laser cut.
30. (Original) The intraocular lens of Claim 1, wherein said haptic is molded.
31. (Original) The intraocular lens of Claim 1, wherein said haptic has a hardness of about 90 to 95 shore M.
32. (Original) The intraocular lens of Claim 1, wherein said haptic is sized for a particular eye, and wherein one of said legs of said haptic is larger than the space within said particular eye.
33. (Original) The intraocular lens of Claim 32, wherein the diameter of said haptic is up to about 1 mm greater than that of said particular eye.
34. (Original) The intraocular lens of Claim 32, wherein the diameter of said haptic is between about 0.3 and 0.6 mm greater than that of said particular eye.
35. (Original) The intraocular lens of Claim 32, wherein the diameter of said haptic is between about 0.4 and 0.5 mm greater than that of said particular eye.
36. (Original) The intraocular lens of Claim 1, wherein said optic is selected from the group consisting of a refractive lens, a monofocal lens, a toric lens, an aspheric lens, a bifocal lens, an interference lens, a positive lens, a negative lens, a standard power monofocal lens, a multi-focal spheric lens, a multiple optic lens, an interference lens, a thin lens, a radially non-symmetrical lens, a laterally non-symmetrical lens and a defocusing lens.
37. (Original) The intraocular lens of Claim 1, wherein said optic may be inserted into the anterior or posterior chamber of the eye.
38. (Original) The intraocular lens of Claim 1, wherein the entire length of the haptic is available for flexure.
39. (Original) A multi-part intraocular lens, comprising:

a haptic with at least two "V" shaped elements;

a separate optic; and

an attachment for said optic which permits said optic to be attached to said

haptic within the eye.

40. (Original) The multi-part intraocular lens of Claim 39, wherein at least one of said "V"-shaped elements is rounded.

41. (Original) The multi-part intraocular lens of Claim 39, wherein at least one of said "V"-shaped elements is straight.

42. (Original) The multi-part intraocular lens of Claim 39, wherein said attachment comprises a cleat and an eyelet wherein said eyelet comprises an eyelet aperture.

43. (Original) The multi-part intraocular lens of Claim 42, wherein said cleat is a part of said haptic.

44. (Original) The multi-part intraocular lens of Claim 42, wherein said eyelet is a part of said lens.

45. (Original) The multi-part intraocular lens of Claim 42, wherein said cleat is chamfered.

46. (Original) The multi-part intraocular lens of Claim 42, wherein said eyelet is offset or angled to hook under said cleat.

47. (Original) The multi-part intraocular lens of Claim 42, wherein said eyelet is a filament.

48. (Original) The multi-part intraocular lens of Claim 42, wherein said eyelet is fabricated separately and attached to the lens.

49. (Original) The multi-part intraocular lens of Claim 42, wherein said eyelet is tinted.

50. (Original) The multi-part intraocular lens of Claim 42, wherein said cleat is fabricated separately and attached to the haptic.

51. (Original) The multi-part intraocular lens of Claim 42, wherein said cleat is tinted.

52. (Original) The multi-part intraocular lens of Claim 42, wherein said eyelet aperture has a diameter larger than the diameter of the cleat to allow for normal eye movements.

53. (Original) The multi-part intraocular lens of claim 43, wherein said haptic comprises at least two cleats.
54. (Original) The multipart intraocular lens of Claim 45, wherein said lens comprises at least two eyelets.
55. (Original) The multipart intraocular lens of Claim 54, wherein said lens comprises multiple eyelets to allow for rotation of the lens.
56. (Original) The multi-part intraocular lens of Claim 42, wherein there are two or more attachments.
57. (Original) The multi-part intraocular lens of Claim 42, wherein the two or more attachments are asymmetrical.
58. (Currently amended) The multi-part intraocular lens of Claim 42, wherein at least one of said legs of at least one of said "V"-shaped elements is sufficiently flexible to move the other one up to or over the other of said legs of ~~said at least one of said "V"-shaped elements.~~
59. (Original) The intraocular lens of Claim 42, wherein said haptic is composed of a material selected from the group consisting of: polyimide, polyetheretherketone, polycarbonate, polymethylpentene, polyphenylsulfone, polymethylmethacrylate (PMMA), polypropylene, polyvinylidene fluoride, polysulfone, and polyethersulfone.
60. (Original) The intraocular lens of Claim 59, wherein said polyimide is KAPTON.
61. (Original) The intraocular lens of Claim 59, wherein said haptic is composed of polymethylmethacrylate (PMMA).
62. (Original) The intraocular lens of Claim 59, wherein said haptic has a modulus of elasticity of about 450,000 psi/inch.
63. (Original) The intraocular lens of Claim 42, wherein said haptic has a modulus of elasticity of 100,000 to 500,000 psi.
64. (Original) The intraocular lens of Claim 42, wherein said haptic is less than about 0.01 inches thick.
65. (Original) The intraocular lens of Claim 42, wherein said haptic is machine-formed.
66. (Original) The intraocular lens of Claim 42, wherein said haptic is laser cut.

67. (Original) The intraocular lens of Claim 42, wherein said haptic is molded.
68. (Original) The intraocular lens of Claim 42, wherein said haptic has a hardness of about 90 to 95 shore M.
69. (Original) The intraocular lens of Claim 42, wherein said haptic is sized for a particular eye, and wherein one of said legs of said haptic is larger than the space within said particular eye.
70. (Original) The intraocular lens of Claim 69, wherein the diameter of said haptic is up to about 1 mm greater than that of said particular eye.
71. (Original) The intraocular lens of Claim 69, wherein the diameter of said haptic is between about 0.3 and 0.6 mm greater than that of said particular eye.
72. (Original) The intraocular lens of Claim 69, wherein the diameter of said haptic is between about 0.4 and 0.5 mm greater than that of said particular eye.
73. (Original) The intraocular lens of Claim 42, wherein said optic is selected from the group consisting of a refractive lens, a monofocal lens, a toric lens, an aspheric lens, a bifocal lens, an interference lens, a positive lens, a negative lens, a standard power monofocal lens, a multi-focal spheric lens, a multiple optic lens, an interference lens, a thin lens, a radially non-symmetrical lens, a laterally non-symmetrical lens and a defocusing lens.
74. (Original) The intraocular lens of Claim 42, wherein said optic may be inserted into the anterior or posterior chamber of the eye.
75. (Withdrawn) A method for introducing an intraocular lens into a very small incision in an eye, comprising:
inserting the haptic of Claim 1 into the eye;
inserting the optic of Claim 1 into the eye separate from said haptic; and
attaching said optic onto said haptic within the eye using the attachment of Claim
76. (Withdrawn) The method of Claim 75 wherein said insertion of said haptic into the eye is by flexing or bending said legs of said "V"-shaped elements toward each other.
77. (Withdrawn) The method of Claim 75, wherein said haptic is inserted first.
78. (Withdrawn) The method of Claim 75, wherein said optic is inserted first.
79. (Withdrawn) The method of Claim 75, further comprising removing said optic and replacing it with a different optic.

80. **(Withdrawn)** The method of Claim 75, further comprising removing said optic and repositioning it within the eye.
81. **(Withdrawn)** The method of Claim 80, wherein said repositioning comprises rotational repositioning for correction of astigmatism.
82. **(Withdrawn)** The method of Claim 81, wherein said repositioning comprises turning the optic over.
83. **(Withdrawn)** The method of Claim 75, further comprising adding a second optic.
84. **(Withdrawn)** The method of Claim 75, further comprising removing said haptic and replacing it with a different haptic.
85. **(Withdrawn)** The method of Claim 75, further comprising removing said haptic and repositioning it within the eye.
86. **(Withdrawn)** The method of Claim 75, wherein said optic is formed of a relatively lower modulus material than said haptic.
87. **(Withdrawn)** The method of Claim 75, wherein said optic is attached to said haptic with a stretchable attachment.
88. **(Withdrawn)** The method of Claim 75, further comprising partially assembling said optic onto said haptic during insertion.
89. **(Withdrawn)** The method of Claim 75, further comprising assembling said optic onto said haptic prior to insertion.
90. **(Withdrawn)** A method for introducing an intraocular lens into a very small incision in an eye, comprising:
inserting the haptic of Claim 39 into the eye;
inserting the optic of Claim 39 into the eye separate from said haptic; and
attaching said optic onto said haptic within the eye using the attachment of Claim 39.
91. **(Withdrawn)** The method of Claim 90 wherein said insertion of said haptic into the eye is by flexing or bending said legs of said "V"-shaped elements toward each other.
92. **(Withdrawn)** The method of Claim 90, wherein said haptic is inserted first.
93. **(Withdrawn)** The method of Claim 90, wherein said optic is inserted first.
94. **(Withdrawn)** The method of Claim 90, further comprising removing said optic and replacing it with a different optic.

95. **(Withdrawn)** The method of Claim 90, further comprising removing said optic and repositioning it within the eye.

96. **(Withdrawn)** The method of Claim 95, wherein said repositioning comprises rotational repositioning for correction of astigmatism.

97. **(Withdrawn)** The method of Claim 95, wherein said repositioning comprises turning the optic over.

98. **(Withdrawn)** The method of Claim 90, further comprising adding a second optic.

99. **(Withdrawn)** The method of Claim 90, further comprising removing said haptic and replacing it with a different haptic.

100. **(Withdrawn)** The method of Claim 90, further comprising removing said haptic and repositioning it within the eye.

101. **(Withdrawn)** The method of Claim 90, wherein said optic is formed of a relatively lower modulus material than said haptic.

102. **(Withdrawn)** The method of Claim 90, wherein said optic is attached to said haptic with a stretchable attachment.

103. **(Withdrawn)** The method of Claim 90, further comprising partially assembling said optic onto said haptic during insertion.

104. **(Withdrawn)** The method of Claim 90, further comprising assembling said optic onto said haptic prior to insertion.

Claims 105-219 (Cancelled)

220. **(Original)** The multipart intraocular lens of Claim 1, wherein said optic is composed of a low modulus material.

221. **(Original)** The multipart intraocular lens of Claim 1, wherein said haptic is composed of a high modulus material.

222. **(New)** A multi-part intraocular lens (IOL) comprising:

an optic;

a haptic comprising:

at least one "V"-shaped element having a pair of legs and a square or rounded corner, wherein at least one of said legs is sufficiently flexible to bend up to or over the other; and

an attachment for the optic onto the haptic.

223. (New) The multi-part intraocular lens of Claim 222, comprising two "V"-shaped elements.
224. (New) The multi-part intraocular lens of Claim 222, wherein said attachment comprises a cleat and an eyelet wherein said eyelet comprises an eyelet aperture.
225. (New) The multi-part intraocular lens of Claim 224, wherein said cleat is a part of said haptic.
226. (New) The multi-part intraocular lens of Claim 224, wherein said eyelet is a part of said lens.
227. (New) The multi-part intraocular lens of Claim 222, wherein said lens is foldable for insertion through a small incision.
228. (New) The intraocular lens of Claim 222, wherein said haptic is more rigid than the optic.
229. (New) The intraocular lens of Claim 222, wherein said haptic has a modulus of elasticity of 100,000 to 500,000 psi.
230. (New) A multi-part intraocular lens (IOL) comprising:
an optic;
a haptic comprising:
at least one "V"-shaped element having a pair of legs and a square or rounded corner, wherein said legs are sufficiently flexible to permit them to fit simultaneously through a small incision; and
an attachment for the optic onto the haptic.
231. (New) The multi-part intraocular lens of Claim 230, comprising two "V"-shaped elements.
232. (New) The multi-part intraocular lens of Claim 230, wherein said attachment comprises a cleat and an eyelet wherein said eyelet comprises an eyelet aperture.
233. (New) The multi-part intraocular lens of Claim 232, wherein said cleat is a part of said haptic.
234. (New) The multi-part intraocular lens of Claim 232, wherein said eyelet is a part of said lens.
235. (New) The multi-part intraocular lens of Claim 230, wherein said lens is foldable for insertion through a small incision.

Appl. No. : ¹⁰~~89~~7056,971
Filed : January 25, 2002

236. (New) The intraocular lens of Claim 230, wherein said haptic is more rigid than the optic.

237. (New) The intraocular lens of Claim 230, wherein said haptic has a modulus of elasticity of 100,000 to 500,000 psi.